

Title (en)
IMAGE ANALYSIS IN THE PRESENCE OF A MEDICAL DEVICE

Title (de)
BILDANALYSE IN GEGENWART EINER MEDIZINISCHEN VORRICHTUNG

Title (fr)
ANALYSE D'IMAGE EN PRÉSENCE D'UN DISPOSITIF MÉDICAL

Publication
EP 3129914 A4 20170426 (EN)

Application
EP 15776785 A 20150402

Priority
• US 201461977891 P 20140410
• IL 2015050372 W 20150402

Abstract (en)
[origin: WO2015155770A1] Apparatus and methods are described for use with an image of at least one blood vessel (50) of a subject including, using at least one computer processor (28), determining a presence of a device (55) within at least a portion of the blood vessel within the image. The computer processor determines a classification of the device as a given type of device, and, based upon the classification of the device as the given type of device, designates a parameter to be calculated. The computer processor automatically calculates the designated parameter, and generates an output on an output device (40) in response to the calculated parameter. Other applications are also described.

IPC 8 full level
G06K 9/00 (2006.01); **G06T 7/00** (2017.01); **G06T 7/62** (2017.01); **G06T 7/73** (2017.01)

CPC (source: EP US)
A61B 5/02007 (2013.01 - EP US); **A61B 5/061** (2013.01 - EP US); **A61B 5/1075** (2013.01 - EP US); **A61B 5/7475** (2013.01 - US); **G06T 7/0012** (2013.01 - EP US); **G06T 7/62** (2016.12 - EP US); **G06T 7/73** (2016.12 - EP US); **A61B 5/0066** (2013.01 - EP US); **A61B 5/064** (2013.01 - EP US); **G06F 3/0484** (2013.01 - US); **G06T 2200/24** (2013.01 - EP US); **G06T 2207/10068** (2013.01 - EP US); **G06T 2207/10116** (2013.01 - EP US); **G06T 2207/20164** (2013.01 - EP US); **G06T 2207/30021** (2013.01 - EP US); **G06T 2207/30101** (2013.01 - EP US); **G06V 2201/034** (2022.01 - EP US)

Citation (search report)
• [IY] US 2010222671 A1 20100902 - COHEN RAN [IL], et al
• [Y] US 2008137923 A1 20080612 - SPAHN MARTIN [US]
• [A] US 2014094691 A1 20140403 - STEINBERG ALEXANDER [IL], et al
• [A] US 2006155184 A1 20060713 - FLORENT RAOUL [FR], et al
• [A] US 2010099979 A1 20100422 - SCHOONENBERG GERT [NL], et al
• See references of WO 2015155770A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2015155770 A1 20151015; CN 106489152 A 20170308; CN 115363569 A 20221122; EP 3129914 A1 20170215; EP 3129914 A4 20170426; EP 3176753 A1 20170607; EP 3176753 B1 20181024; JP 2017515622 A 20170615; JP 6487027 B2 20190320; US 2017032523 A1 20170202

DOCDB simple family (application)
IL 2015050372 W 20150402; CN 201580018911 A 20150402; CN 202211060251 A 20150402; EP 15776785 A 20150402; EP 16203990 A 20150402; JP 2017504293 A 20150402; US 201515302760 A 20150402